

Features

- 2:1 wide input range
- Protections: Short circuit/Over load/Over voltage/
Over temperature
- 1500 I/O isolation
- Cooling by free air convection
- 100% full load burn-in test
- 2 year warranty

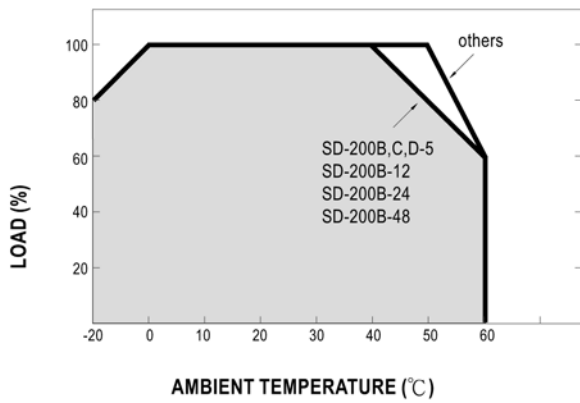


	VSD-200D-5	VSD-200-12	VSD-200-24	VSD-200-48
DC output voltage	5V	12V	24V	48V
Output rated current	40A	16.7A	8.4A	4.2A
Output current range	0-40A	0-16.7A	0-8.4A	0-4.2A
Rated power	200W	200.4W	201.6W	201.6W
Ripple & Noise (max.) see note 2	100mVp-p	120mVp-p	150mVp-p	200mVp-p
Voltage adj. range	4.5-5.5Vdc	11-16Vdc	23-30Vdc	43-53Vdc
Voltage tolerance see note 3	±2%	±1%	±1%	±1%
Line regulation	±0.5%	±0.5%	±0.5%	±0.5%
Load regulation	±1%	±1%	±1%	±1%
Setup, rise time	300ms, 50ms at full load			
Voltage range	72-144Vdc			
Efficiency	82%	82%	84%	90%
DC current	3.3A/96V	3.1A/96V	3A/96A	3A/96V
Inrush current (max.)	50A/96Vdc			
Overload protection	105%~135% rated output power			
Over voltage protection	5.75-6.75V	16.8-20V	31.5-37.5V	53-65V
	Protection type: shut down o/p voltage, re-power on to recover			
Over temp. protection	100°C±5°C TSW1TSW1 detect on main power transistor			
	Protection type: shut down o/p voltage, recovers automatically after temp goes down			
Working temp.	-20 ~ +60°C (refer to output derating curve)			
Working humidity	20 ~ 90% RH non-condensing			
Storage temp., humidity	-40°C~+85°C, 10%-95% RH			
Temperature coefficient	±0.3%/ °C(0~50°C)			
Vibration	10~500Hz, 2G 10 min./1 cycle, period fo 60 min. each axes			
Safety standards	24V and 48V input design refer to LVD			
Withstand voltage	I/P-O/P: 1.5KVAC, I/P-FG: 1.5KVAC, O/P-FG: 0.5KVAC for 1 min.			
Isolation resistance	I/P-O/P, I/P-FG, O/P-FG: 500VDC			
EMI conduction & radiation	compliance to EN55022 (CISPR22) Class B			
EMS immunity	Compliance to EN6100-4,2,3,4,6,8; ENV50204 heavy industry level, criteria A			
MTBF	218.2K hrs. min MIL-HDBK-217F (25 °C)			
Vibration	10~500Hz, 2G 10 min./1 cycle, period fo 60 min. each axes			
Dimensions	8.46x4.53x1.97 inches (215x115x50mm)			
Packing	2.42lbs (1.1Kgs); 12pcs./31.75lb./0.98CUFT			

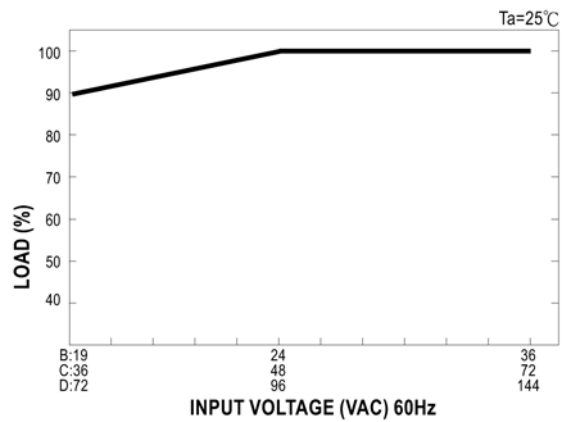
- Notes:
1. All parameters NOT specifically mentioned are measured at 24, 48, 96Vdc input, rated load and 25°C of ambient temperature.
 2. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uF & 47 uF capacitor
 4. Tolerance: includes set up tolerance, line regulation and load regulation.
 5. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

V-Infinity reserves the right to make changes to its products or to discontinue any product or service without notice, and to advise customers to verify the most up-to-date product information before placing orders. V-Infinity assumes no liability or responsibility for customer's applications using V-Infinity products other than repair or replacing (at V-I's option) V-Infinity products not meeting V-I's published specifications. Nothing will be covered outside of standard product warranty.

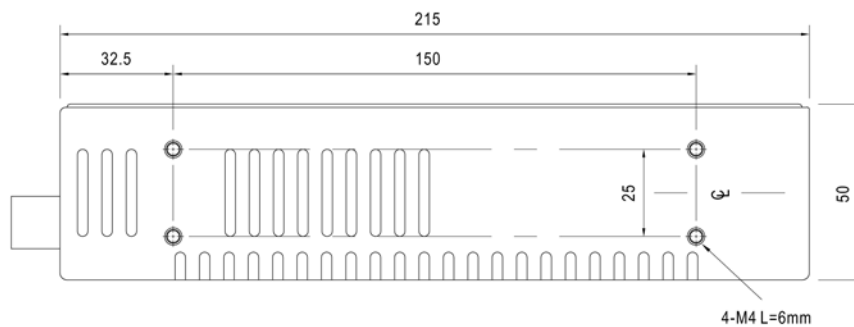
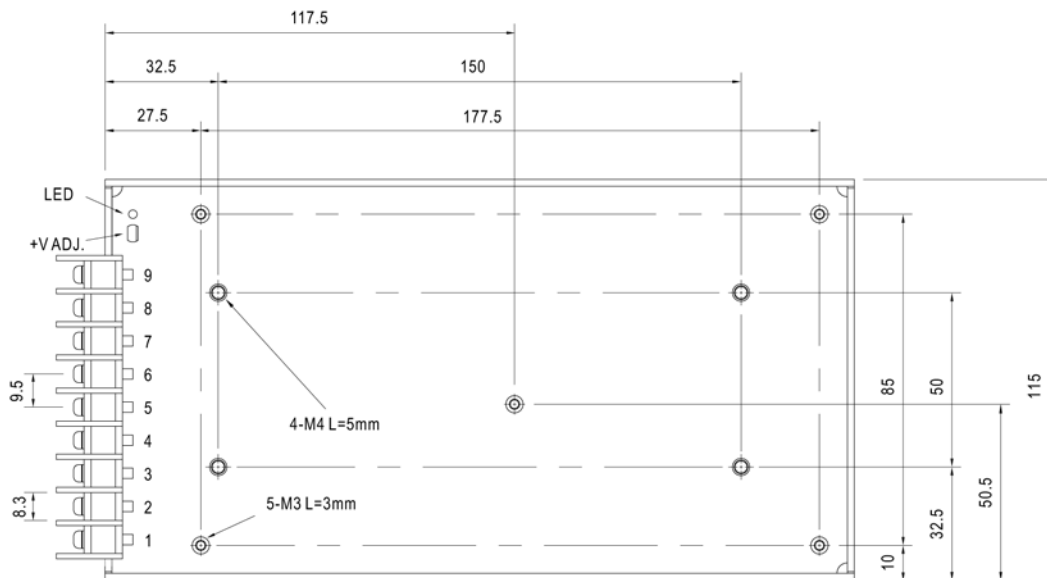
Derating Curve



Static Characteristics



Dimensions



Terminal pin number assignment :

Pin No.	Assignment	Pin No.	Assignment
1	DC INPUT V+	4,5,6	DC OUTPUT V-
2	DC INPUT V-	7,8,9	DC OUTPUT V+
3	FG \perp		